SEQUENCE LISTING

<110> AGREZ, MICHAEL V
AHMED, NUZHAT

<120> A METHOD OF MODULATING INTEGRIN MEDIATED CELLULAR ACTIVITY AND AGENTS USEFUL FOR SAME

<130> BLAKE-046XX

<140> US 10/019,816
<141> 2002-03-27

<150> PQ 1248
<151> 1999-06-28

<150> PQ 8003
<151> 2000-06-06

<160> 29

<170> PatentIn version 3.1

<210> 1
<211> 788
<212> PRT
<213> HOMO SAPIENS

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Met Gly Ile Glu Leu Leu Cys Leu Phe Phe Leu Phe Leu Gly Arg Asn
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Asp Ser Arg Thr Arg Trp Leu Cys Leu Gly Gly Ala Glu Thr Cys Glu
20 25 30

Asp Cys Leu Leu Ile Gly Pro Gln Cys Ala Trp Cys Ala Gln Glu Asn
35 40 45

Phe Thr His Pro Ser Gly Val Gly Glu Arg Cys Asp Thr Pro Ala Asn
50 55 60

Leu Leu Ala Lys Gly Cys Gln Leu Asn Phe Ile Glu Asn Pro Val Ser
65 70 75 80

Gln Val Glu Ile Leu Lys Asn Lys Pro Leu Ser Val Gly Arg Gln Lys
85 90 95

Asn Ser Ser Asp Ile Val Gln Ile Ala Pro Gln Ser Leu Ile Leu Lys
100 105 110

Leu Arg Pro Gly Gly Ala Gln Thr Leu Gln Val His Val Arg Gln Thr
115 120 125

Glu Asp Tyr Pro Val Asp Leu Tyr Tyr Leu Met Asp Leu Ser Ala Ser
130 135 140

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Met Asp Asp Asp Leu Asn Thr Ile Lys Glu Leu Gly Ser Gly Leu Ser
145                 150                 155                 160

Lys Glu Met Ser Lys Leu Thr Ser Asn Phe Arg Leu Gly Phe Gly Ser
                165                 170                 175

Phe Val Glu Lys Pro Val Ser Pro Phe Val Lys Thr Thr Pro Glu Glu
            180                 185                 190

Ile Ala Asn Pro Cys Ser Ser Ile Pro Tyr Phe Cys Leu Pro Thr Phe
        195                 200                 205

Gly Phe Lys His Ile Leu Pro Leu Thr Asn Asp Ala Glu Arg Phe Asn
    210                 215                 220

Glu Ile Val Lys Asn Gln Lys Ile Ser Ala Asn Ile Asp Thr Pro Glu
225                 230                 235                 240

Gly Gly Phe Asp Ala Ile Met Gln Ala Ala Val Cys Lys Glu Lys Ile
                245                 250                 255

Gly Trp Arg Asn Asp Ser Leu His Leu Leu Val Phe Val Ser Asp Ala
            260                 265                 270

Asp Ser His Phe Gly Met Asp Ser Lys Leu Ala Gly Ile Val Ile Pro
        275                 280                 285

Asn Asp Gly Leu Cys His Leu Asp Ser Lys Asn Glu Tyr Ser Met Ser
    290                 295                 300

Thr Val Leu Glu Tyr Pro Thr Ile Gly Gln Leu Ile Asp Lys Leu Val
305                 310                 315                 320

Gln Asn Asn Val Leu Leu Ile Phe Ala Val Thr Gln Glu Gln Val His
                325                 330                 335

Leu Tyr Glu Asn Tyr Ala Lys Leu Ile Pro Gly Ala Thr Val Gly Leu
            340                 345                 350

Leu Gln Lys Asp Ser Gly Asn Ile Leu Gln Leu Ile Ile Ser Ala Tyr
        355                 360                 365

Glu Glu Leu Arg Ser Glu Val Glu Leu Glu Val Leu Gly Asp Thr Glu
    370                 375                 380

Gly Leu Asn Leu Ser Phe Thr Ala Ile Cys Asn Asn Gly Thr Leu Phe
385                 390                 395                 400
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```
Gln His Gln Lys Lys Cys Ser His Met Lys Val Gly Asp Thr Ala Ser
                405                 410                 415

Phe Ser Val Thr Val Asn Ile Pro His Cys Glu Arg Arg Ser Arg His
            420                 425                 430

Ile Ile Ile Lys Pro Val Gly Leu Gly Asp Ala Leu Glu Leu Leu Val
        435                 440                 445

Ser Pro Glu Cys Asn Cys Asp Cys Gln Lys Glu Val Glu Val Asn Ser
    450                 455                 460

Ser Lys Cys His His Gly Asn Gly Ser Phe Gln Cys Gly Val Cys Ala
465                 470                 475                 480

Cys His Pro Gly His Met Gly Pro Arg Cys Glu Cys Gly Glu Asp Met
                485                 490                 495

Leu Ser Thr Asp Ser Cys Lys Glu Ala Pro Asp His Pro Ser Cys Ser
            500                 505                 510

Gly Arg Gly Asp Cys Tyr Cys Gly Gln Cys Ile Cys His Leu Ser Pro
        515                 520                 525

Tyr Gly Asn Ile Tyr Gly Pro Tyr Cys Gln Cys Asp Asn Phe Ser Cys
    530                 535                 540

Val Arg His Lys Gly Leu Leu Cys Gly Gly Asn Gly Asp Cys Asp Cys
545                 550                 555                 560

Gly Glu Cys Val Cys Arg Ser Gly Trp Thr Gly Glu Tyr Cys Asn Cys
                565                 570                 575

Thr Thr Ser Thr Asp Ser Cys Val Ser Glu Asp Gly Val Leu Cys Ser
            580                 585                 590

Gly Arg Gly Asp Cys Val Cys Gly Lys Cys Val Cys Thr Asn Pro Gly
        595                 600                 605

Ala Ser Gly Pro Thr Cys Glu Arg Cys Pro Thr Cys Gly Asp Pro Cys
    610                 615                 620

Asn Ser Lys Arg Ser Cys Ile Glu Cys His Leu Ser Ala Ala Gly Gln
625                 630                 635                 640

Ala Gly Glu Glu Cys Val Asp Lys Cys Lys Leu Ala Gly Ala Thr Ile
                645                 650                 655
```

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Ser Glu Glu Glu Asp Phe Ser Lys Asp Gly Ser Val Ser Cys Ser Leu
            660                 665                 670

Gln Gly Glu Asn Glu Cys Leu Ile Thr Phe Leu Ile Thr Thr Asp Asn
        675                 680                 685

Glu Gly Lys Thr Ile Ile His Ser Ile Asn Glu Lys Asp Cys Pro Lys
    690                 695                 700

Pro Pro Asn Ile Pro Met Ile Met Leu Gly Val Ser Leu Ala Thr Leu
705                 710                 715                 720

Leu Ile Gly Val Val Leu Leu Cys Ile Trp Lys Leu Leu Val Ser Phe
                725                 730                 735

His Asp Arg Lys Glu Val Ala Lys Phe Glu Ala Glu Arg Ser Lys Ala
            740                 745                 750

Lys Trp Gln Thr Gly Thr Asn Pro Leu Tyr Arg Gly Ser Thr Ser Thr
        755                 760                 765

Phe Lys Asn Val Thr Tyr Lys His Arg Glu Lys Gln Lys Val Asp Leu
    770                 775                 780

Ser Thr Asp Cys
785
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Arg Ser Lys Ala Lys Trp Gln Thr Gly Thr Asn Pro Leu Tyr Arg
1               5                   10                  15
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<213> HOMO SAPIENS

<400> 3

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Arg Ser Lys Ala Lys Asn Pro Leu Tyr Arg
1               5                   10
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<400> 4

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Arg Ser Lys Ala Lys
1               5
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<400> 5

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Asn Pro Leu Tyr Arg
1               5
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<213> HOMO SAPIENS

<400> 6

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His Asp Arg Arg Glu Phe Ala Lys Phe Glu Lys Glu Lys Met Asn Ala
1               5                   10                  15

Lys Trp Asp Thr Gly Glu Asn Pro Ile Tyr Lys Ser Ala Val Thr Thr
            20                  25                  30

Val Val Asn Pro Lys Tyr Glu Gly Lys
        35                  40
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Ser Asp Leu Arg Glu Tyr Arg Arg Phe Glu Lys Glu Lys Leu Lys Ser
1               5                   10                  15

Gln Trp Asn Asn Asp Asn Pro Leu Phe Lys Ser Ala Thr Thr Thr Val
            20                  25                  30

Met Asn Pro Lys Phe Ala Glu Ser
        35                  40
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<213> HOMO SAPIENS

<400> 8

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His Asp Arg Lys Glu Phe Ala Lys Phe Glu Glu Glu Arg Ala Arg Ala
1               5                   10                  15
```

```
Lys Trp Asp Thr Ala Asn Asn Pro Leu Tyr Lys Glu Ala Thr Ser Thr
            20                  25                  30

Phe Thr Asn Ile Thr Tyr Arg Gly Thr
        35                  40
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<400> 9

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His Asp Arg Lys Glu Val Ala Lys Phe Glu Ala Glu Arg Ser Lys Ala
1               5                   10                  15

Lys Trp Gln Thr Gly Thr Asn Pro Leu Tyr Arg Gly Ser Thr Ser Thr
            20                  25                  30

Phe Lys Asn Val Thr Tyr Lys His Arg Glu Lys Gln Lys Val Asp Leu
        35                  40                  45

Ser Thr Asp Ser
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<400> 10

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His Asp Arg Lys Glu Val Ala Lys Phe Glu Ala Glu Arg Ser Lys Ala
1               5                   10                  15

Lys Trp Gln Thr Gly Thr Asn Pro Leu Tyr Arg Gly Ser Thr Ser Thr
            20                  25                  30

Phe Lys Asn Val Thr Tyr Lys His Arg Glu Lys Gln Lys Val Asp Leu
        35                  40                  45

Ser Thr Asp Cys
    50
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<400> 11

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His Asp Arg Lys Glu Val Ala Lys Phe Glu Ala Glu Arg Ser Lys Ala
1               5                   10                  15
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Lys Trp Gln Thr Gly Thr
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Arg Ser Lys Ala Lys Trp Gln Thr Gly Thr Asn Pro Leu Tyr Arg Gly
1 5 10 15

Ser Thr Ser Thr
20

<210> 13
<211> 20
<212> PRT
<213> HOMO SAPIENS

<400> 13

Asn Pro Leu Tyr Arg Gly Ser Thr Ser Thr Phe Lys Asn Val Thr Tyr
1 5 10 15

Lys His Arg Glu
20

<210> 14
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<213> HOMO SAPIENS

<400> 14

Phe Lys Asn Val Thr Tyr Lys His Arg Glu Lys Gln Lys Val Asp Leu
1 5 10 15

Ser Thr Asp Ser
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<213> HOMO SAPIENS

<400> 15

Arg Ser Lys Ala Lys Trp Gln Thr Gly Thr
1 5 10

<210> 16
<211> 10
<212> PRT
<213> HOMO SAPIENS

<400> 16

Asn Pro Leu Tyr Arg Gly Ser Thr Ser Thr
1 5 10

<210> 17
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<212> PRT
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<400> 17

Trp Gln Thr Gly Thr Asn Pro Leu Tyr Arg
1 5 10

<210> 18
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<212> PRT
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<400> 18

Lys Phe Glu Ala Glu Arg Ser Lys Ala Lys
1 5 10

<210> 19
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<212> PRT
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<400> 19

Ala Glu Arg Ser Lys Ala Lys Trp Gln Thr Gly Thr Asn Pro Leu Tyr
1 5 10 15

Arg Gly

<210> 20
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<213> HOMO SAPIENS

<400> 20

Lys Phe Glu Lys Glu Lys Met Asn Ala Lys Trp Asp Thr Gly Glu Asn
1 5 10 15

Pro Ile Tyr Lys
20

<210> 21
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<212> PRT
<213> HOMO SAPIENS

<400> 21

Lys Glu Lys Leu Lys Ser Gln Trp Asn Asn Asp Asn Pro Leu Phe Lys
1 5 10 15

<210> 22
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<212> PRT
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<400> 22

Arg Ala Arg Ala Lys Trp Asp Thr Ala Asn Asn Pro Leu Tyr Lys
1 5 10 15

<210> 23
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<400> 23

Arg Ser Arg Ala Arg Tyr Glu Met Ala Ser Asn Pro Leu Tyr Arg
1 5 10 15

<210> 24
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<400> 24

Arg Thr Asp Leu Asp Ser Leu Arg Thr Tyr Thr Leu
1 5 10

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aggatagttc tgtttcctgc 20

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atcataggaa tatttggagg 20

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Trp Gln Thr Gly Thr
1 5

<210> 28
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<400> 28

Asn Val Thr Tyr Lys His Arg Glu Lys Gln Lys Val Asp Leu Ser
1 5 10 15

Thr Asp Cys

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<400> 29

Glu Lys Gln Lys Val Asp Leu Ser Thr Asp Cys
1 5 10